

- El-Hack M.A.A., El-Saadony M., Nader M.M., Salem H., El-Tahan A.M., Soliman S.M.A., and Khafaga A., 2022, Effect of environmental factors on growth performance of Nile tilapia (*Oreochromis niloticus*), International Journal of Biometeorology, 66(11): 2183-2194.
<https://doi.org/10.1007/s00484-022-02347-6>
- Hu J., Yin J., Yang C.-T., Zhou Y., and Li C., 2025, Intelligent forecasting model for aquatic production based on artificial neural network, Frontiers in Marine Science, 12: 1556294.
<https://doi.org/10.3389/fmars.2025.1556294>
- Huang H., Pan X., Yang J., Guo Z., and Shen Y., 2025, An intelligent feeding method for recirculating aquaculture systems based on visual perception and large language models, 2025 IEEE International Conference on Big Data (BigData), 2025: 3565-3572.
<https://doi.org/10.1109/BigData66926.2025.11401056>
- Hancz C., 2020, Feed efficiency, nutrient sensing and feeding stimulation in aquaculture: A review, Acta Agraria Kaposváriensis, 24(1): 35-54.
<https://doi.org/10.31914/aak.2375>
- Lan H.-Y., Ubiña N., Zhang K.-X., Cheng S.-C., and Li S.-Y., 2025, Fusion of transformer-based deep learning and Monte-Carlo fish growth simulation for aquaculture smart transformation, Engineering Computations, 43(7): 2916-2931.
<https://doi.org/10.1108/EC-07-2024-0599>
- Li H., Cui Z., Cui H., Bai Y., Yin Z., and Qu K., 2023, A review of influencing factors on a recirculating aquaculture system: Environmental conditions, feeding strategies, and disinfection methods, Journal of the World Aquaculture Society, 54(3): 566-602.
<https://doi.org/10.1111/jwas.12976>
- Liang Q., Liu G., Luan Y., Niu J., Li Y., Chen H., Liu Y., and Zhu S., 2025, Impact of feeding frequency on growth performance and antioxidant capacity of *Litopenaeus vannamei* in recirculating aquaculture systems, Animals, 15(2): 192.
<https://doi.org/10.3390/ani15020192>
- Mujahid M. A. A. A., Azizah F. F. N., Indrayana G. G., Rachminiwati N., Sakai Y., and Yagi N., 2025, Prediction of shrimp growth by machine learning: The use of actual data of industrial-scale outdoor white shrimp (*Litopenaeus vannamei*) aquaculture in Indonesia, Aquaculture Journal, 5(4): 27.
<https://doi.org/10.3390/aquacj5040027>
- Naylor R., Hardy R., Buschmann A., Bush S., Cao L., Klinger D. H., Little D., Lubchenco J., Shumway S., and Troell M., 2021, A 20-year retrospective review of global aquaculture, Nature, 559(17851): 551-563.
<https://doi.org/10.1038/s41586-021-03308-6>
- Nazmi H., Siau N.Z., Bramantoro A., and Suhaili W.S., 2023, Predictive modeling of marine fish production in Brunei Darussalam's aquaculture sector: A comparative analysis of machine learning and statistical techniques, International Journal of Advanced and Applied Sciences, 10(7): 109-126.
<https://doi.org/10.21833/ijaas.2023.07.013>
- Rahman L.F., Marufuzzaman M., Alam L., Bari M.A., Sumaila U.R., and Sidek L., 2021, Developing an ensemble machine learning prediction model for marine fish and aquaculture production, Sustainability, 13(16): 9124.
<https://doi.org/10.3390/su13169124>
- Ratan R., Ashwini M., Kamilya D., and Nagarajan V., 2026, Artificial intelligence and digital innovations in precision aquaculture: Advancements, applications, and future directions, Franklin Open, 2026: 100567.
<https://doi.org/10.1016/j.fraope.2026.100567>
- Rather M.A., Ahmad I., Shah A., Hajam Y.A., Amin A., Khursheed S., Ahmad I., and Rasool S., 2024, Exploring opportunities of artificial intelligence in aquaculture to meet increasing food demand, Food Chemistry: X, 22: 101309.
<https://doi.org/10.1016/j.fochx.2024.101309>
- Șerban D., Barbacariu C. A., Ivancia M., and Creangă Ș., 2025, Molecular regulation of growth in aquaculture: From genes to sustainable production, Life, 15(12): 1831.
<https://doi.org/10.3390/life15121831>
- Silva L. C. B., Lopes B., Pontes M., Blanquet I., Segatto M., and Marques C., 2021, Fast decision-making tool for monitoring recirculation aquaculture systems based on a multivariate statistical analysis, Aquaculture, 530: 735931.
<https://doi.org/10.1016/j.aquaculture.2020.735931>
- Soares F., Nobre A., Raposo A., Mendes R., Engrola S., Rema P., Conceição L., and Silva T., 2023, Development and application of a mechanistic nutrient-based model for precision fish farming, Journal of Marine Science and Engineering, 11(3): 472.
<https://doi.org/10.3390/jmse11030472>
- Soengas J., Comesaña S., Blanco A., and Conde-Sieira M., 2024, Feed intake regulation in fish: Implications for aquaculture, Reviews in Fisheries Science and Aquaculture, 33(1): 8-60.
<https://doi.org/10.1080/23308249.2024.2374259>
- Stavrakidis-Zachou O., Eding E., Papandroulakis N., and Lika K., 2025, A nutritional bioenergetic model for farmed fish: Effects of food composition on growth, oxygen consumption and waste production, Aquaculture Nutrition, 2025(1): 9010939.
<https://doi.org/10.1155/anu/9010939>
- Takahashi Y. and Komeyama K., 2023, Development of a feeding simulation to evaluate how feeding distribution in aquaculture affects individual differences in growth based on the fish schooling behavioral model, PLoS ONE, 18(2): e0280017.
<https://doi.org/10.1371/journal.pone.0280017>